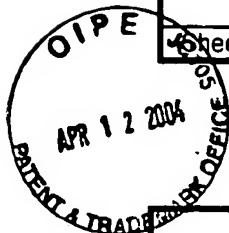


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/805,576
		Filing Date	03/19/2004
		First Named Inventor	Jan Weber et al.
		Group Art Unit	unassigned
		Examiner Name	unassigned
Sheet 1 of 1	Attorney Docket Number	03-237	



OTHER PRIOR ART—NON-PATENT LITERATURE DOCUMENTS			
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<i>AP</i>	A1	RILLING, P.; POMMERSHEIM, WALTER R.; VOGT, W. "Encapsulation of cytochrome C by multilayer microcapsules. A model for improved enzyme immobilization". Journal of Membrane Science Vol. 129. 1997. pp. 283-287.	
<i>AP</i>	A2	POMMERSHEIM, RAINER; SCHREZENMEIR, JURGEN; VOGT, WALTER. "Immobilization of enzymes by multilayer microcapsules" Macromol. Chem. Phys. Vol. 195. 1994. pp 1557-1567.	

Examiner Signature	<i>H. P.</i>	Date Considered	12/13/2004
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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Class/Subclass		
I	1	6,399,528	501/80	Krell et al.	06-04-2002
	2	6,596,699	514/44	Zamora et al.	07-22-2003
	3	2002/0037383	428/36.91	Spillman	03-28-2002
	4	2002/0061326	424/424	Li et al.	05-23-2002
	5	2003/0157260	427/402	Rubner et al.	08-21-2003
	6	2003/0175517	428/402.2	Voigt et al.	09-18-2003
	7	2003/0219909	436/518	Lally et al.	11-27-2003

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office ²	Number ²	Class/Subclass			
R	1	WO	99/47252	B01J 13/00	Lerche Karl Heinz (DE); Max Planck Gesellschaft (DE); Baeumler Hans (DE); Voigt Andreas (DE); Caruso Frank (DE); Donath Edwin (DE); Moehwald Helmuth (DE); Sukhorukov Gleb B (RU)	09/23/1999	

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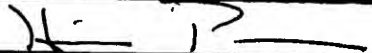
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Q	A1	CHUNG, A.J. AND RUBNER, M.F., Methods of Loading and Releasing Low Molecular Weight Cationic Molecules in Weak Polyelectrolyte Multilayer Films, <i>Langmuir</i> 2002, 18, 1176-1183.	
	A2	FRANK CARUSO et al., Microencapsulation of Uncharged Low Molecular Weight Organic Materials by Polyelectrolyte Multilayer Self-assembly, <i>Langmuir</i> 2000, 16, 8932-8936	
	A3	GI-RA, YI et al., Ordered Macroporous Particles by Colloidal Templating, <i>Chem. Mater.</i> 2001, 13, 2613-2618	
	A4	SINGH, R.S., GRIMES, C.A., Dickey, E.C. Fabrication of nanoporous TiO ₂ films through Bernard-Marangoni convection, <i>Materials Resources Innovations</i> , 2002, 5:178-184	
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	A6	SHCHUKIN, D.G. et al., Micron-Scale Hollow Polyelectrolyte Capsules with Nanosized Magnetic Fe ₃ O ₄ Inside, <i>Materials Letters</i> 57, 1743-1747, 2003.	
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	A8	RADTCHENKO, I.L. et al., Assembly of Alternated Multivalent Ion/Polyelectrolyte Layers on Colloidal Particles. Stability of the Multilayers and Encapsulation of Macromolecules into Polyelectrolyte Capsules, <i>Journal of Colloid and Interface Science</i> , 230, 272-280 (2000)	
	A9	WHAU, WINKY L. et al., Surface-chemistry technology for microfluidics, <i>J. Micromech. Microeng.</i> 13 (2003) 272-278	
	A10	RADTCHENKO et al., Incorporation of macromolecules into polyelectrolyte micro and nanocapsules via surface controlled precipitation on colloidal particles, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 202 (2002) 127-133.	

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Sheet 3 of 3	Attorney Docket Number	03-237	

	A11	MOYA, S. et al., Polyelectrolyte multilayer capsules templated on biological cells: core oxidation influences layer chemistry, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 183-185 (2001) 27-40.
	A12	ANTIPOV, ALEXEI A. ET AL., Polyelectrolyte multilayer capsule permeability control, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 198-200 (2002) 535-541
	A13	QIU, XINGPING et al., Studies on the Drug Release Properties of Polysaccharide Multilayers Encapsulated Ibuprofen Microparticles, <i>Langmuir</i> 2001, 17, 5375-5380
	A14	ANTIPOV, ALEXEI A. et al., Sustained Release Properties of Polyelectrolyte Multilayer Capsules, <i>J. Phys. Chem. B</i> 2001, 105, 2281-2284, October 27, 2000
	A15	http://www.bmed.mcgill.ca/tabrizian/People_pages/Benjamin2.htm#cCOMMUNICATIONS , THIERRY, BENJAMIN, Development of new strategies for endovascular revascularization procedures, 1-7, date unknown but before the filing of this application
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	A17	https://engineering.purdue.edu/BME/Seminars/2003/july_14_html , Graduate Seminar, Stent coating for drug delivery: Coating polymeric micelles using polyelectrolytes Purdue University Biomedical Engineering Seminar, 2003, 1-2, July 14, 2003
	A18	http://www.ccmr.cornell.edu/~uli/Pages/mesoporous.html , Wiesner Research Group, Mesoporous Materials Through Self-Esteem, 1-2, date unknown but before the filing of this application
	A19	http://www.hmi.de/people/chemseddine/group.htm , 1-3, date unknown but before the filing of this application
	A20	http://web.mit.edu/newsoffice/nr/1999/gyroid.html , MIT researcher's intricate ceramic nanostructures have many potential uses, MIT News, 1-3, November 25, 1999
	A21	https://engineering.purdue.edu/ChE/Nano/NanoChmE/NSE_Topical_2001/SynthesisandCharacterizationofNovelNanoporousMaterials2.htm,2001 , pages 1-8
	A22	DINH, NAM et al., University of Santa Barbara, Magnetic Drug Targeting: A novel use of magnetic fields and magnetic particles to deliver therapeutic drugs at the desired time in the correct dosage to the correct site in the human body, pp 1-9, date unknown but before the filing of this application

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Sheet	4	of	4	Attorney Docket Number	03-237

	A23	BERRY, CATHERINE C. et al., Potential Drug-Cell Delivery Routes Using Magnetic Nanoparticles, Centre for Cell Engineering, Glasgow University, European Cells and Materials Vol. 6 Suppl. 2, 2003 p 29	
	A24	http://www2.latech.edu/~ylvov/research/research.htm , LVOV, YURI M., Nanofabrication of ordered multilayers by alternate absorption of polyions, nanoparticles and proteins: From planar films to microtemplates, Institute for Micromanufacturing, LaTech, Ruston, LA 71272, pp. 1-13, date unknown but before the filing of this application.	

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